

FIG. 1

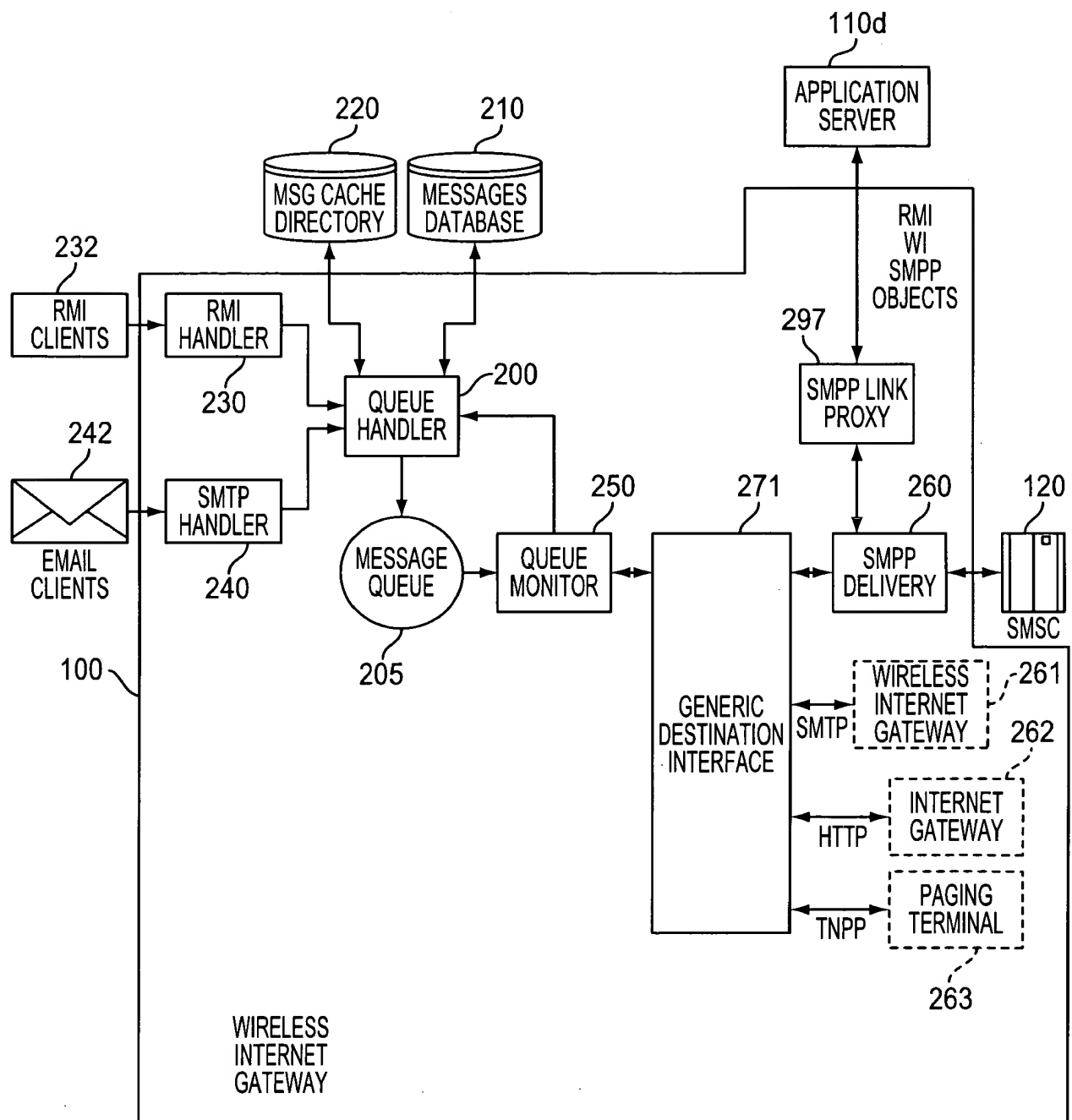


FIG. 2

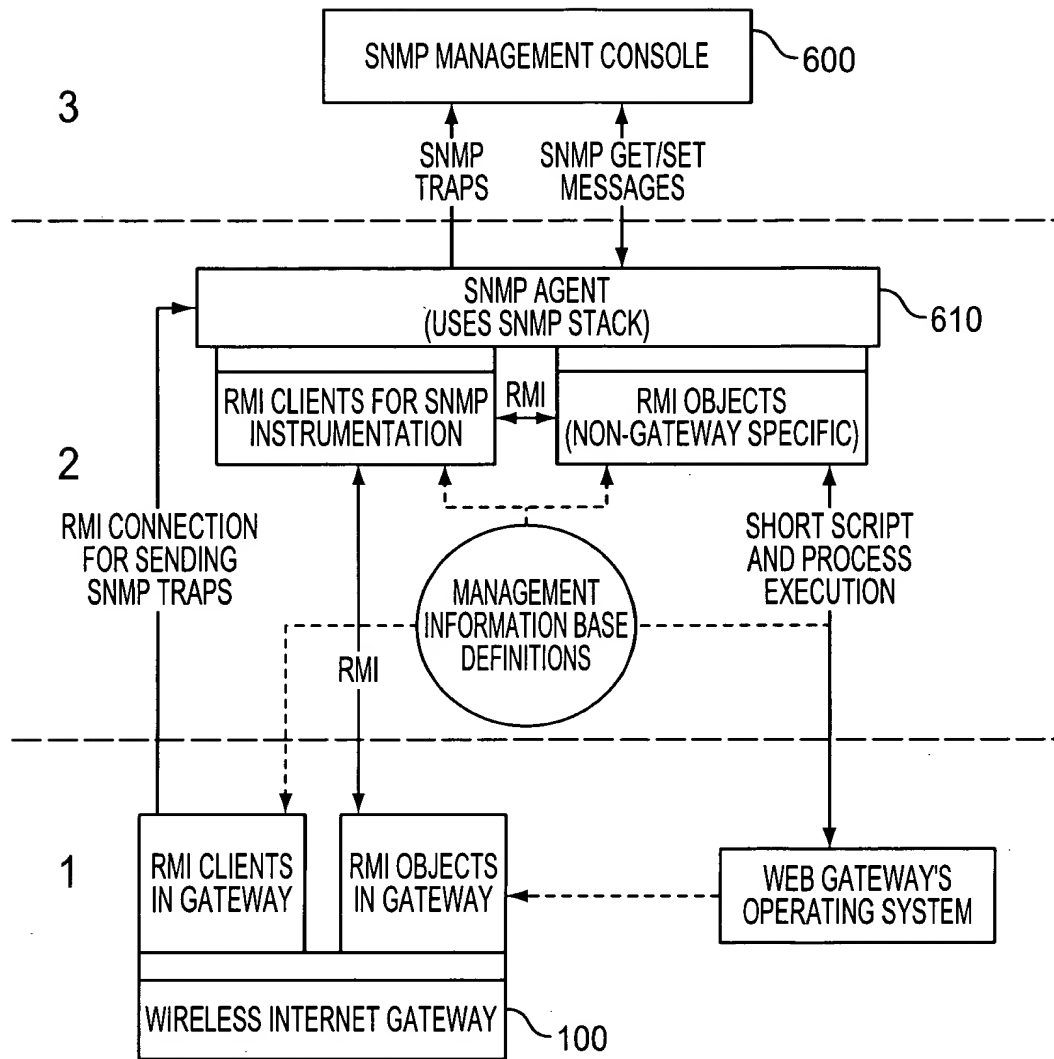


FIG. 3

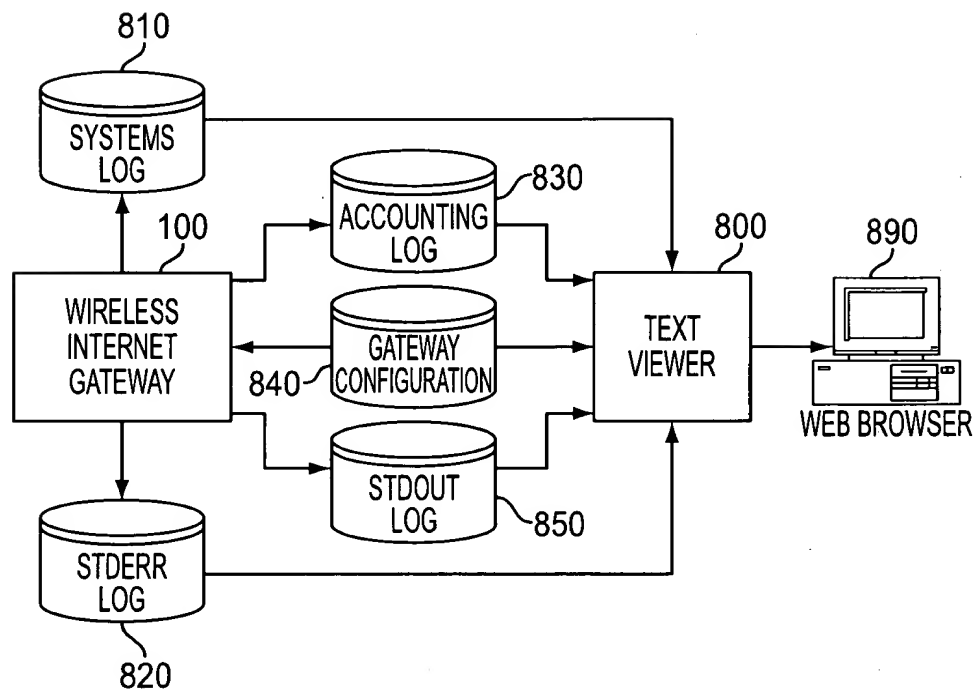


FIG. 4

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# -----
#      smscgw.conf:   Configuration File for TCS SMS Web Gateway
#                    (c) 1998,1999,2000 TCS, Inc.
# -----
# ----- Identification -----
GW ID             A                # Msg Identifier for GW
GWName            admin@demossys.com # Email address for gw msggs
Shutdown_MIN      0000000009       # MIN to shutdown gateway

# ----- System Output -----
basedir           ./               # base location of files
accountinglogfile  logs/acc.log     # account log file name
systemlogfile     logs/system.log   # system log file name
accountingloglevel 9               # Level of accounting log detail
systemloglevel    9               # Level of system log detail
debugmode         yes              # Sends SMPP info to StdOut
do_email_debug    yes              # Show SMTP Interactions

smtpSocketTimeout 10               # Time socket waits for input
#                               # before it times out
smtpSocketLinger  10               # Time OS keeps socket alive
#                               # after application closes socket
smtpListenerSleepInterval 50       # Time (milliseconds) to pause
#                               # between successive SMTP connections
#                               # 50 milliseconds implies 200
#                               # connections per second

# ----- Database References -----
MessageStoreType  DB               # File System (FS) or Database
#                               # (DB) storage or None or DB Cache (DBC)

# Connection information for accessing the Message Store
MessageStoreDbClass  oracle.jdbc.driver.OracleDriver
MessageStoreDbUrl    jdbc:oracle:thin:@dbhost.demossys.com:1521:ORCL
MessageStoreDbAccount webdb
MessageStoreDbPw     private

msgLifespanHours    8               # How long to retain message data
requeueIntervalSecs 60              # How often to requeue unack'd msggs

q_cachePath         ./cache/        # directory for unack'd msg indicators
q_msgPath           ./messages/     # directory for FS database files
PendingCacheThreshold 50
PollPendingCache    10

# ----- Features -----
enable smtp         yes             # Enable Email Support
smtp_port           25              # Port for receiving email
enable web          yes             # Enable RMI for Web (and other RMI clients)
enable smpp         yes             # Enable SMPP output to SMSCs (reqd)
enable_calendar     no              # Enable Web Calendar support

```

TABLE 1

enable_monitor	yes	# Enable free memory monitor
memoryCheckRestTime	180000	# ms time for checking avbl memory
memoryThreshold	256	# xb threshold for generating alert
msg_maxlen	90	# Max length in a single message
msg_link_maxlen	150	# Max total length of msg through linking
enable_antispam	yes	# Enable msg qty limitations
SpamMaxSendQty	100	# Max no. msgs that can be sent per period
SpamMaxRecvQty	100	# Max no. msgs that can be recvd per period
SpamTimePeriod	1	# Time period, in hours
SpamInvalidSenders	987.654.321.000	# Senders that are always refused
SpamValidSenders	admin@demosys.com	# Sender exempt from anti-spam checks
SpamValidReceivers	9876543210,1234567890	# Receivers exempt from anti-spam checks
forceSNReturnReceipt	no	# Always request return receipt from SMSC
AlwaysDoEmailReceipt	no	# Always send a receipt to E-mail senders
AlwaysDoEmailReceipt_Exclude	demosys.com	# Senders to exclude if above is enabled
validateScheme	0	# 0=RANGE, 1=LOOSE, 2=EXPLICIT
supportAltAddressing	yes	# PIN/Alias lookups allowed
minLength	10	# Length of a valid MIN
PinLength	6	# Length of a valid PIN.
PinPrefix	P.	# Prefix to identify PINs
supportSubmitTranslate	no	# Do User vs Submit Address (DN/MIN) xlation
heartbeatsecs	180	# seconds between heartbeats; 0 = no
heartbeat		
# ----- Message Destinations -----		
sn_count	1	# Number of SMSCs attached
sn_type0	tcs.ain.smsgw.SmsGwSNSMPPLink	
serializeSmppTraffic	yes	
smpp_host0	localhost	# Host name of first SMSC
smpp_TXport0	7001	# SMPP Tx port for first SMSC
smpp_RXport0	7002	# SMPP Rx port for first SMSC
smpp_bind_password0	secret	# SMSC/SMPP Password
smpp_bind_sysID0	EE	# SMSC/SMPP System ID
smpp_bind_sysType0	INET GW	# SMPP Client identifier
smpp_valid_min_range0	3102800000 5102802000	0000000009 0000000009
smpp_template0	1	# SMSC Template for sending messages
smpp_callback_trigger0	SA	# Trigger for embedding callback number
smpp_message_trigger0	SM	# Trigger for identifying message text
smpp_service_type0	PAGE	# Service Type; Comment out for Aldiscon
smpp_src_addr_ton0	0	# Type of Number; TCS=0
smpp_src_addr_npi0	0	# Numbering Plan Identity; TCS=0
smpp_dst_addr_ton0	1	
smpp_dst_addr_npi0	1	

## TABLE 1

-SAMPLE GATEWAY CONFIGURATION FILE (CON'T)

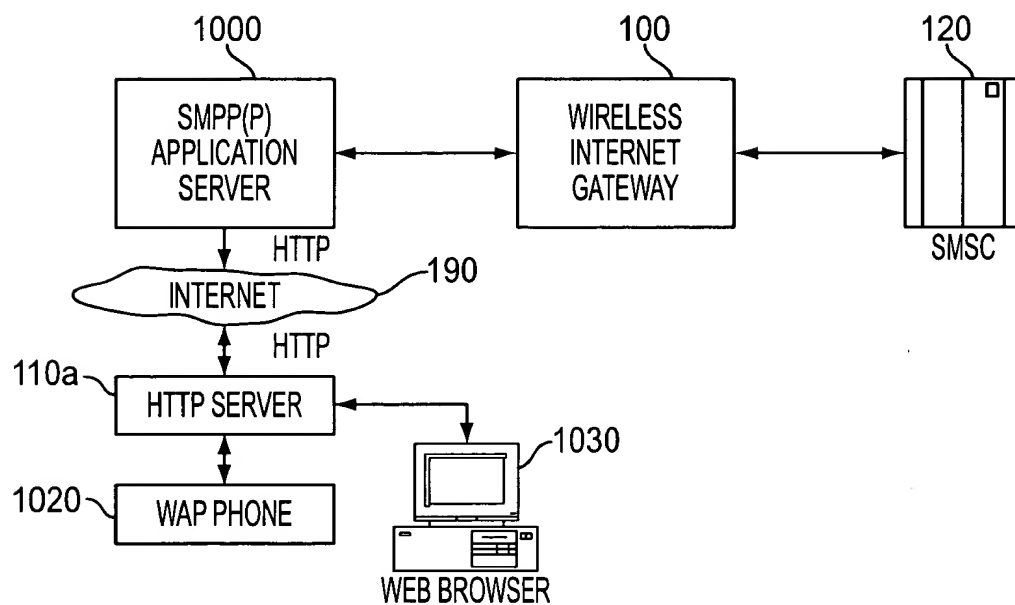


FIG. 5

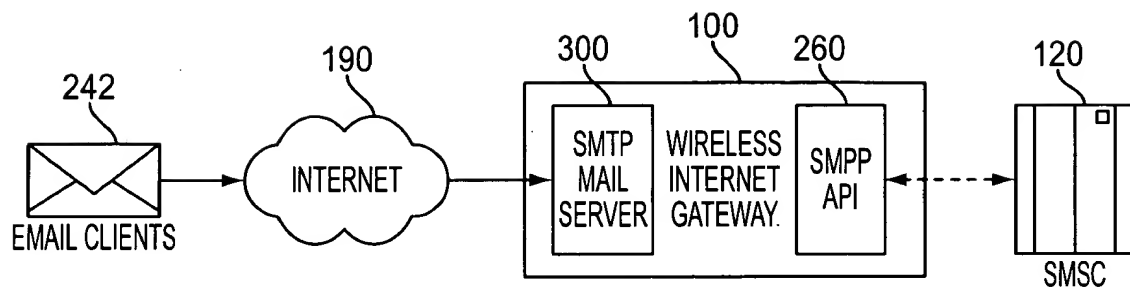


FIG. 6



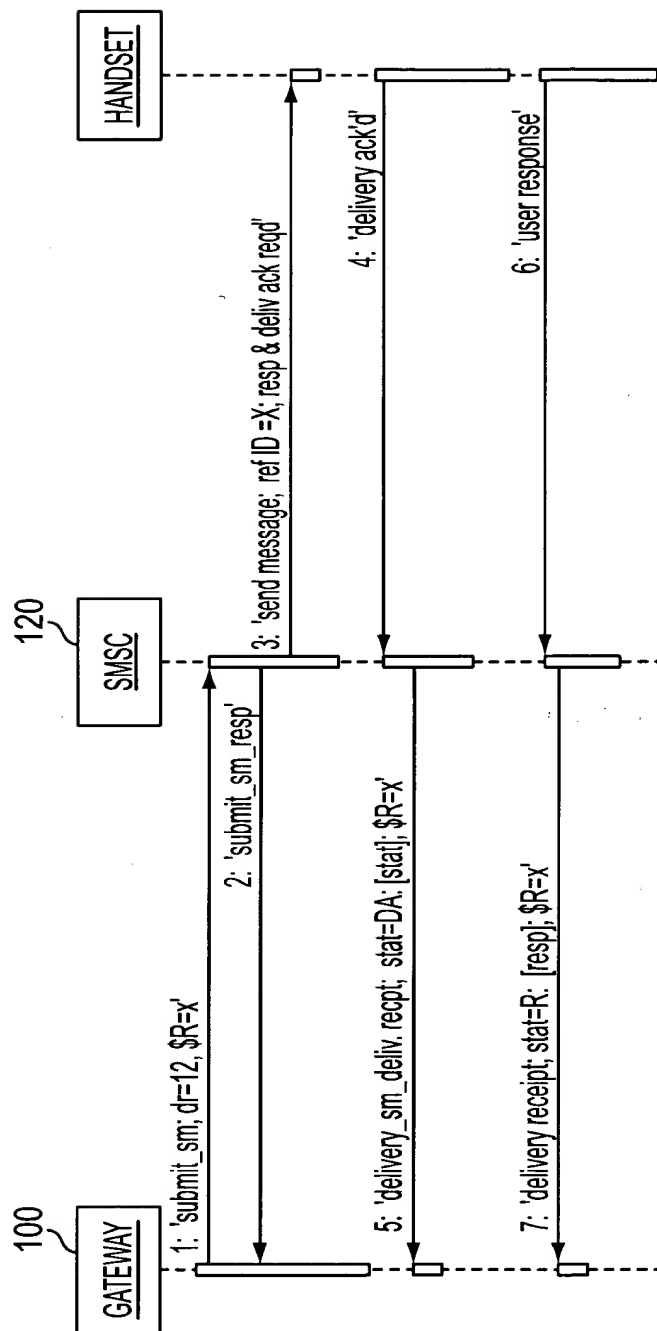


FIG. 7A

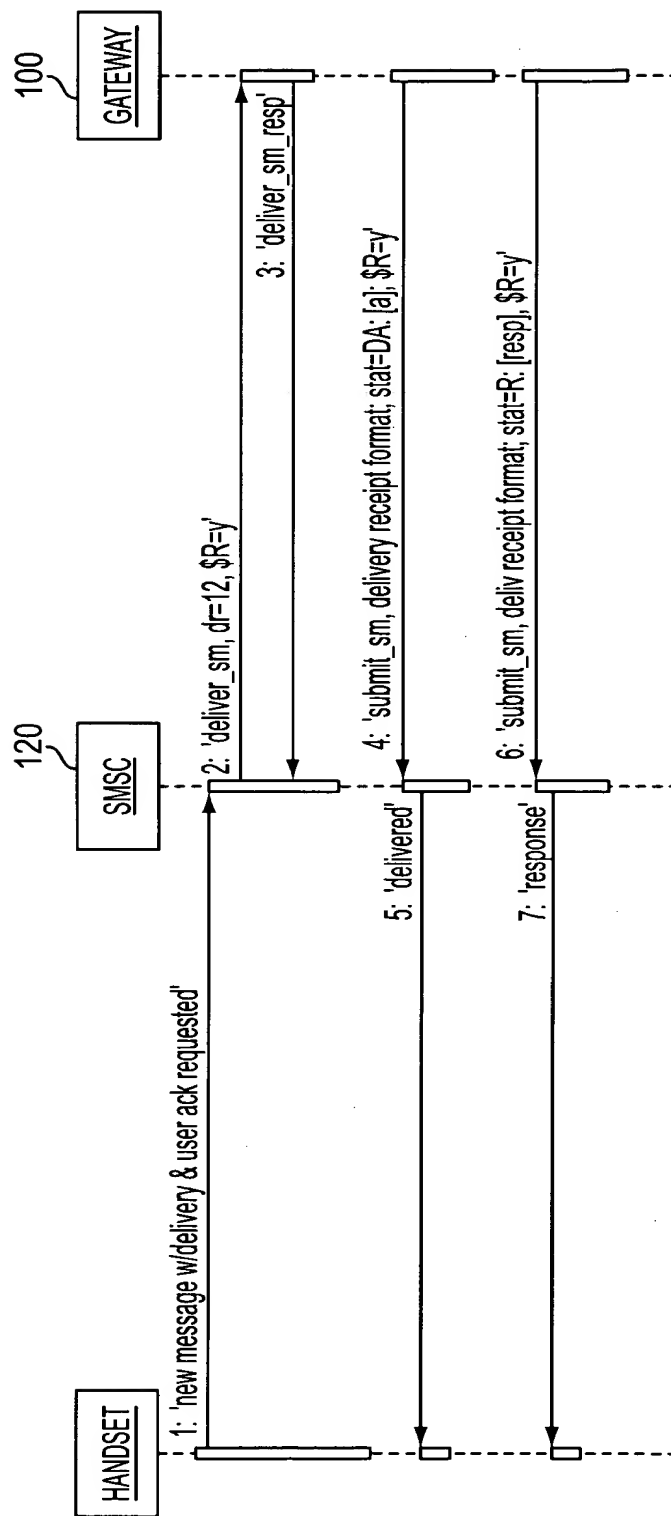


FIG. 7B

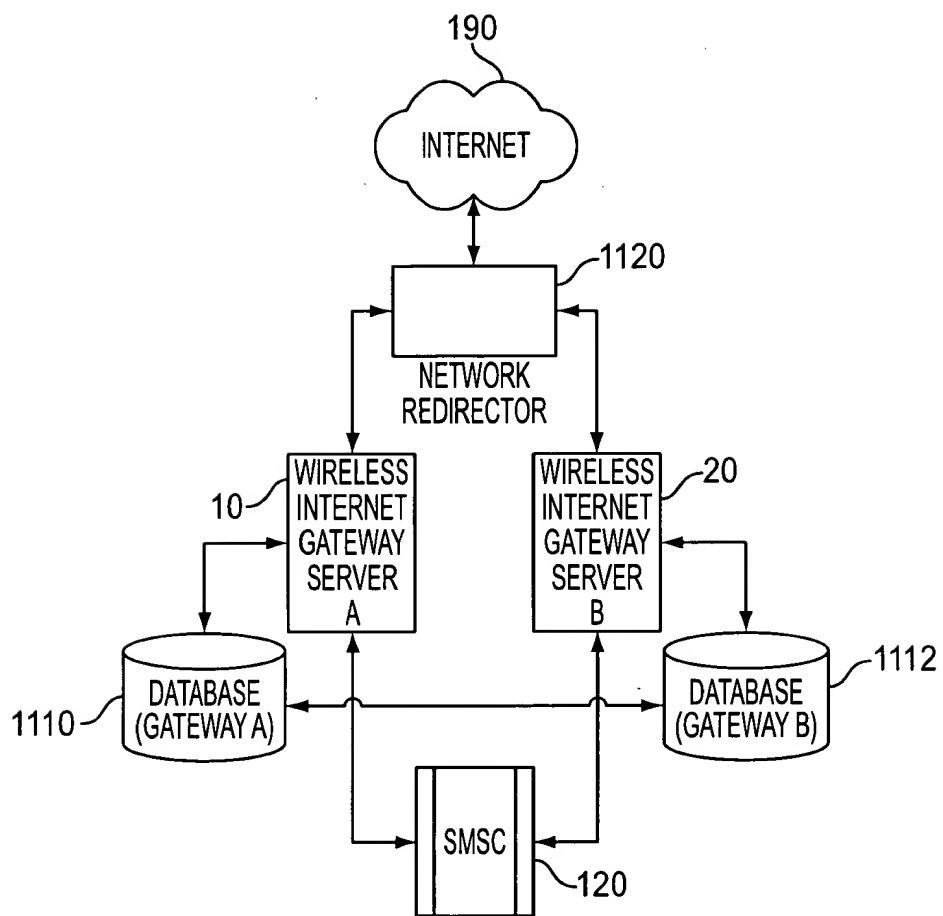


FIG. 8

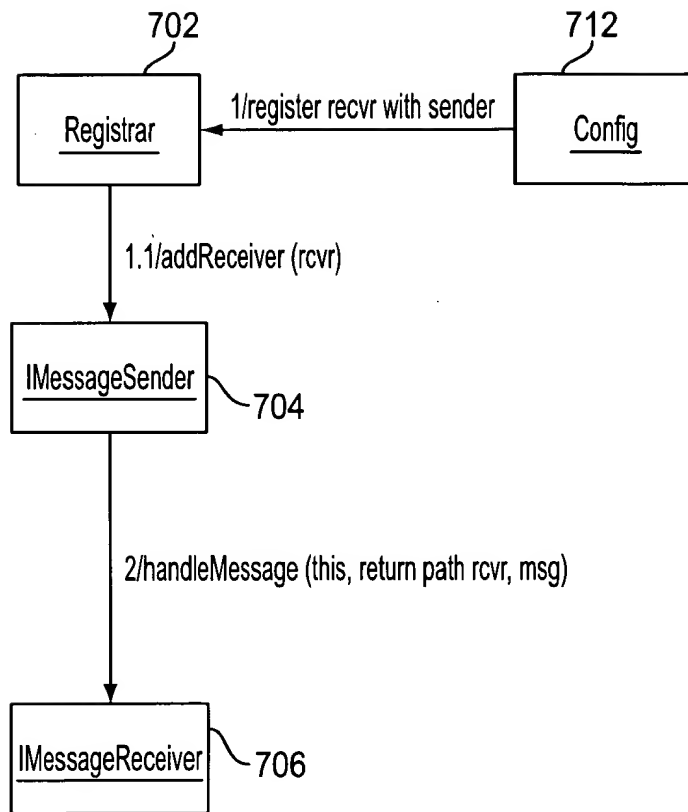


FIG. 9A

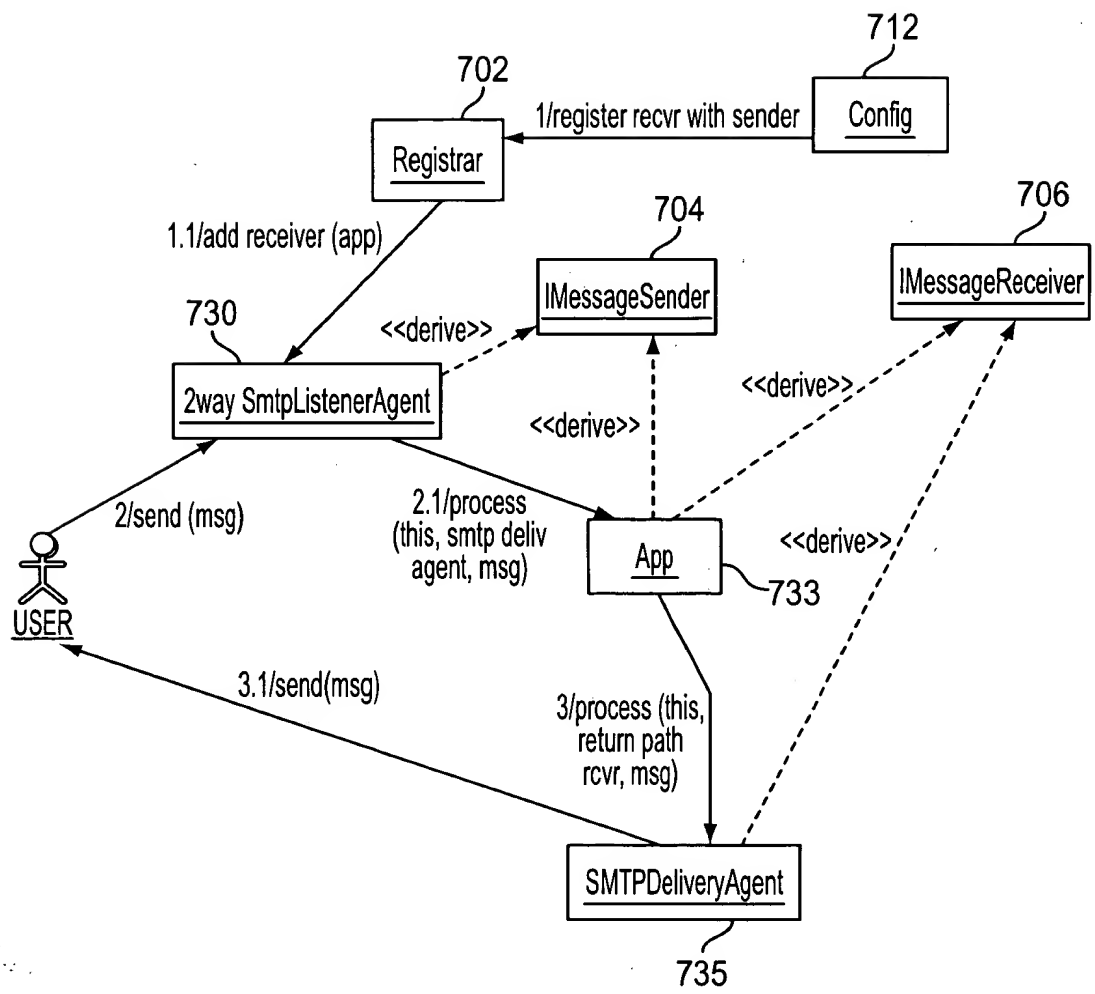


FIG. 9B

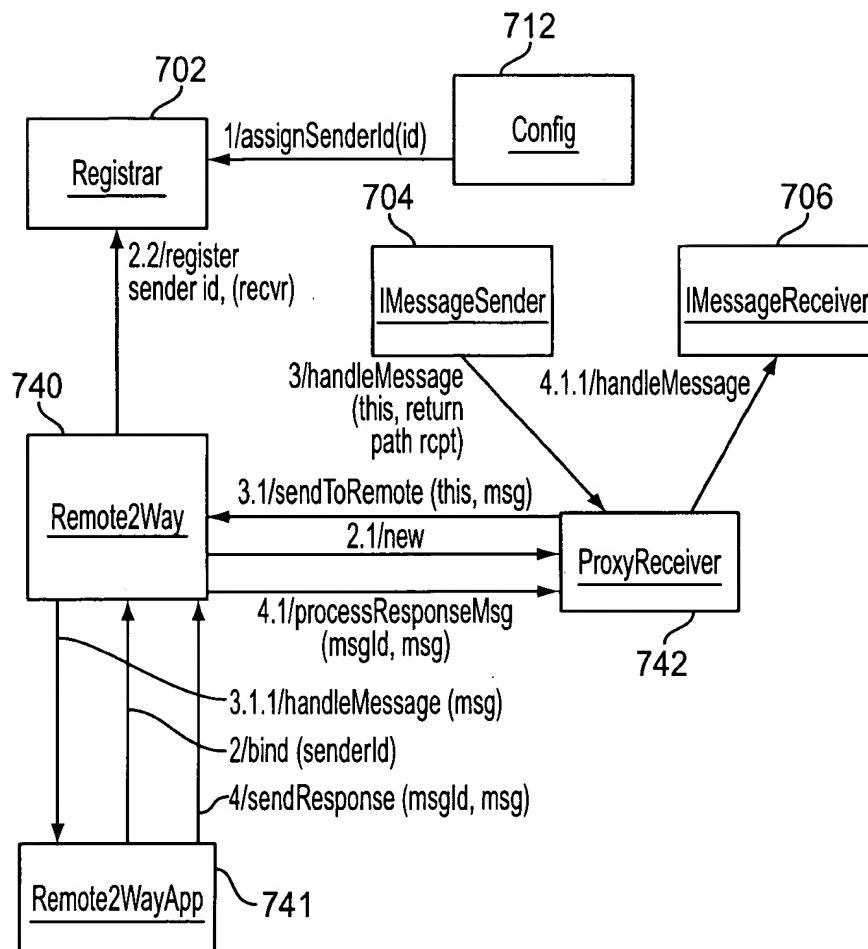


FIG. 9C

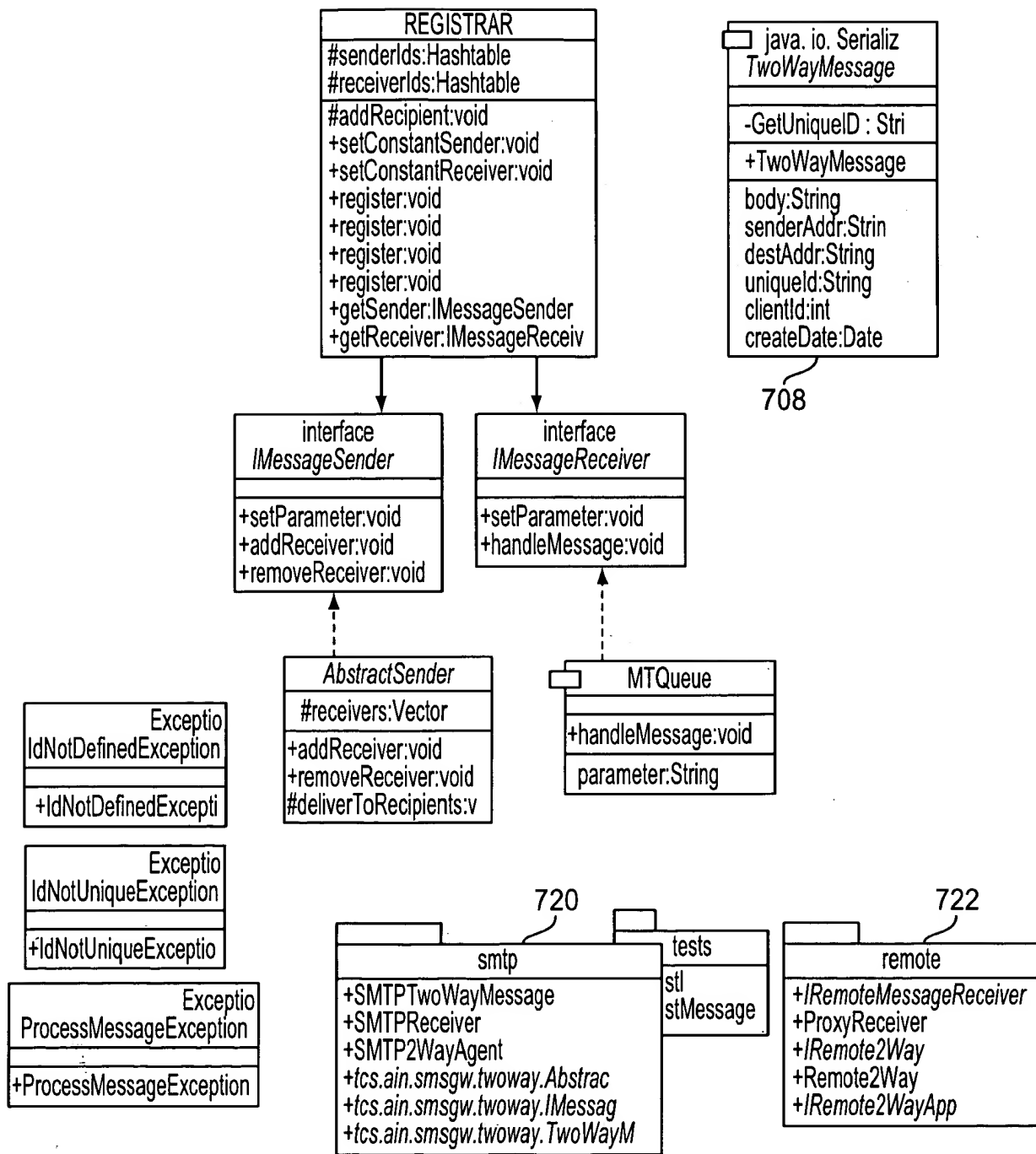


FIG. 10A

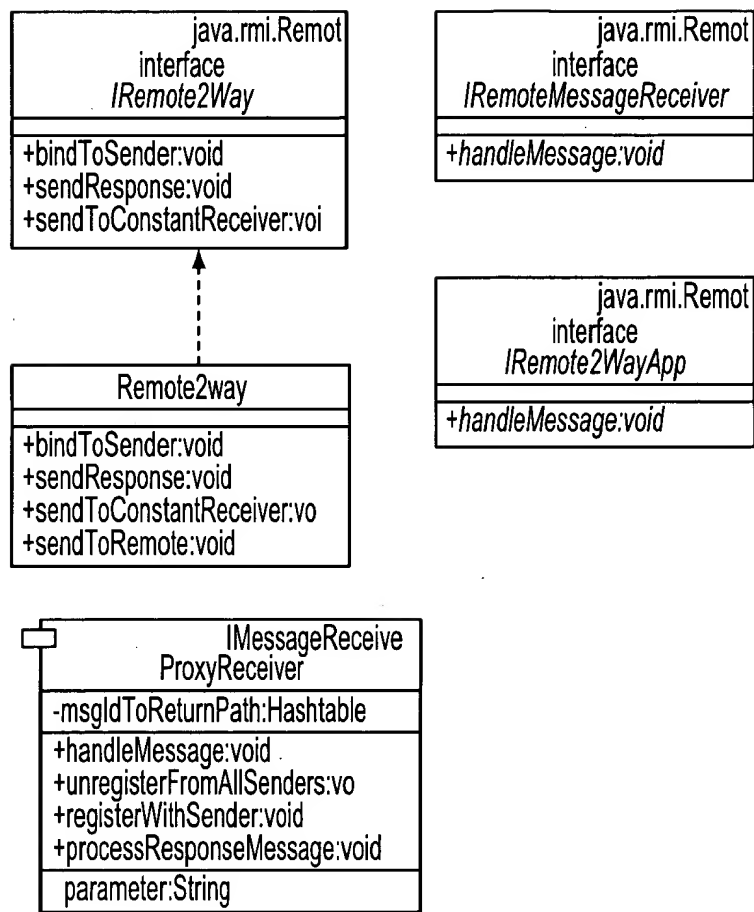


FIG. 10B



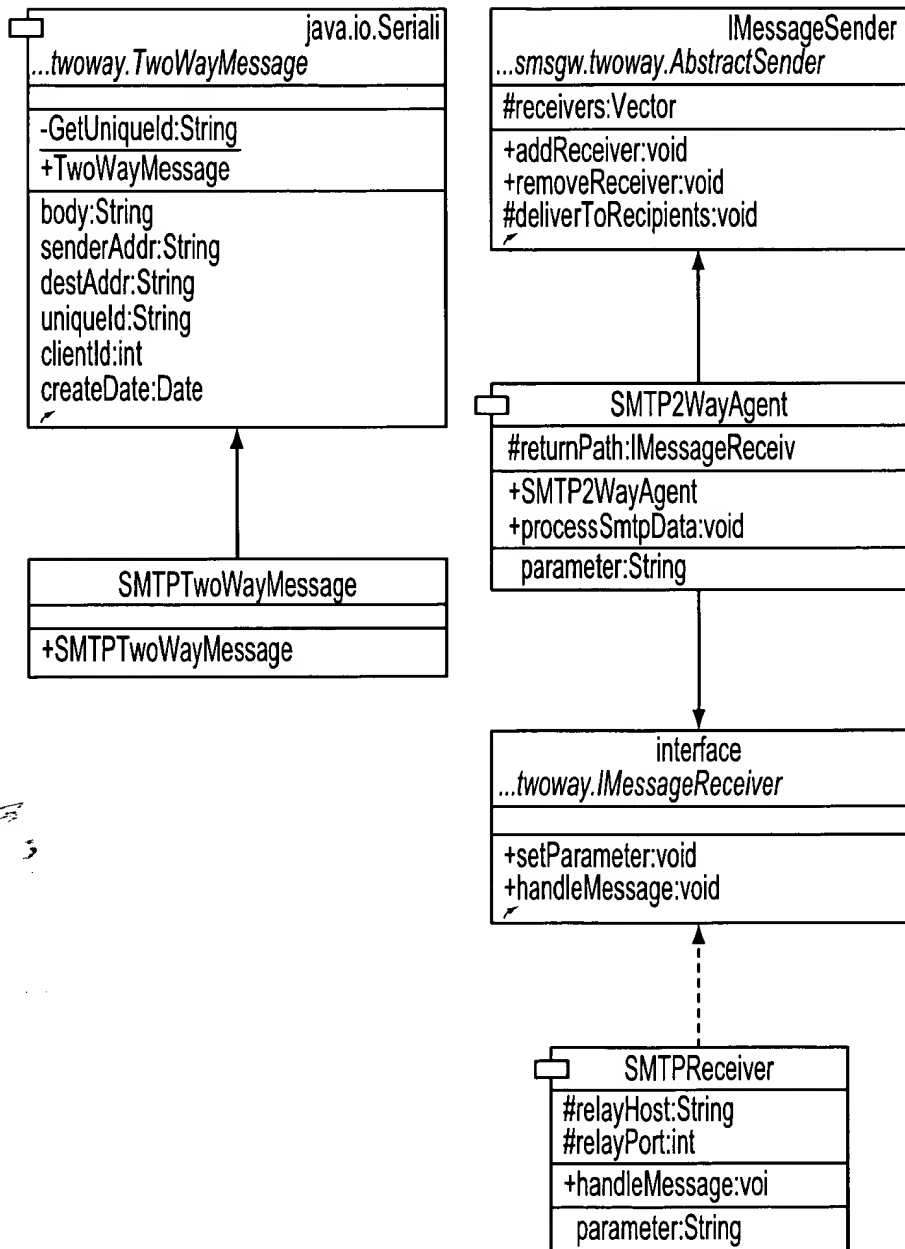
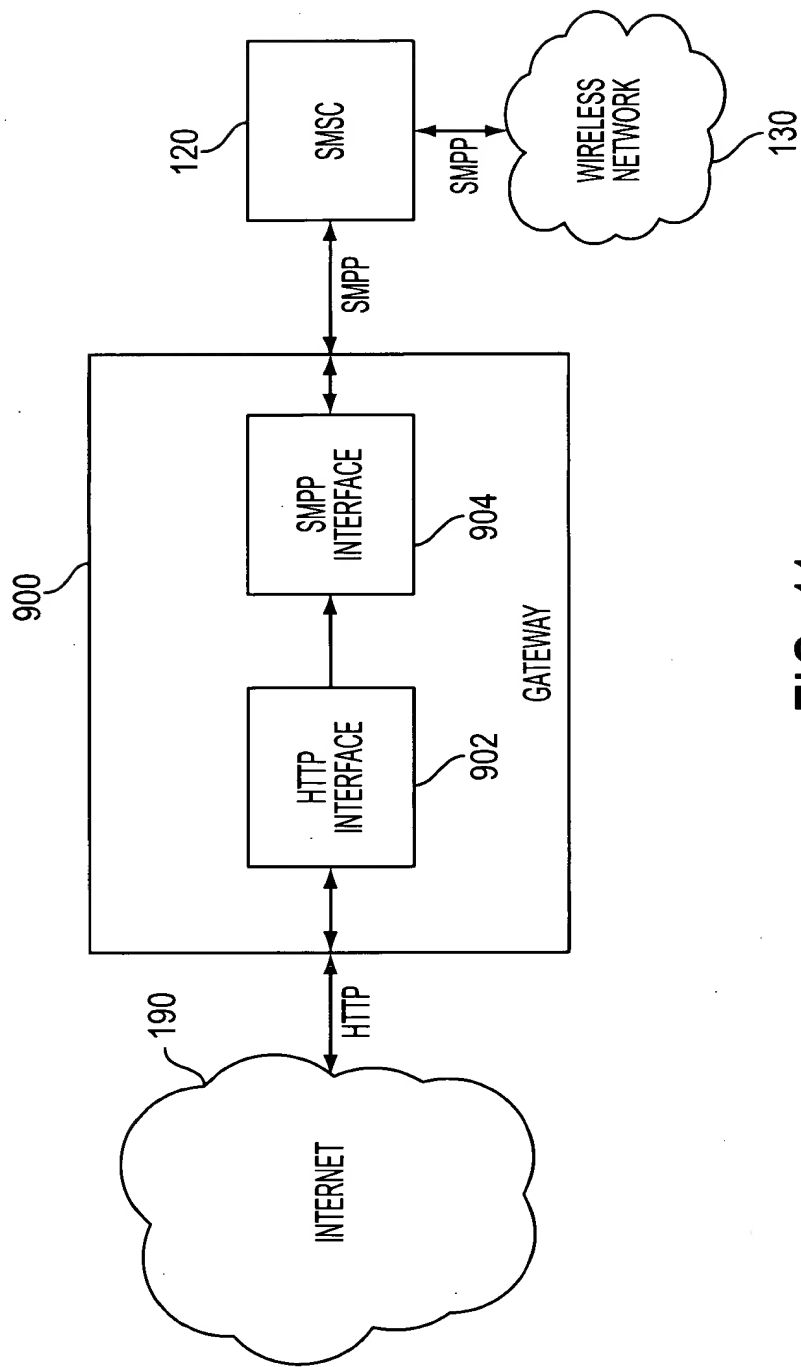


FIG. 10C



**FIG. 11**  
(PRIOR ART)